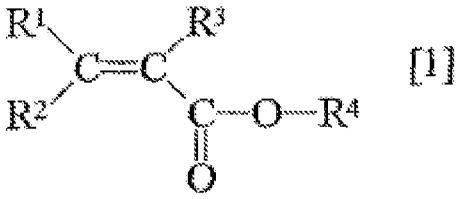
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-3 (canceled).

4. (previously presented): A process for producing a compound represented by a formula [1]:



[1]

wherein R^1 and R^2 respectively represent a light or heavy hydrogen atom, R^3 represents a light or heavy hydrogen atom or a methyl group in which three hydrogen atoms are respectively light or heavy hydrogen atoms, and R^4 is a norbornyl group provided that four or more hydrogen atoms in the norbornyl group are heavy hydrogen atoms,

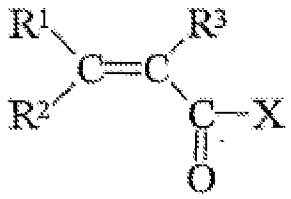
comprising:

(i) reacting a norborneol with heavy water in the presence of palladium catalyst under an atmosphere of light hydrogen gas, or

(ii) reacting a norbornanone with heavy water in the presence of palladium catalyst under an atmosphere of light hydrogen gas and then reducing the obtained deuterated norbornanone,

thereby to obtain a deuterated norborneol containing four or more heavy hydrogen atoms in its norbornyl group; and

reacting said deuterated norborneol with a compound represented by a formula [2]:



[2]

wherein R^1 and R^2 respectively represent a light or heavy hydrogen atom, R^3 represents a light or heavy hydrogen atom or a methyl group in which three hydrogen atoms are respectively light or heavy hydrogen atoms, and X represents a halogen atom, a hydroxyl group or an alkoxy group.

5-8 (canceled).

9. (previously presented): A process for producing a deuterated norborneol comprising:

(i) reacting a norborneol with heavy water in the presence of palladium catalyst under an atmosphere of light hydrogen gas, or

(ii) reacting a norbornanone with heavy water in the presence of palladium catalyst under an atmosphere of light hydrogen gas and then reducing the obtained deuterated norbornanone.